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## Dr. D.S. Fredrickson Named Director Of Heart Institute

President Lyndon B. Johnson has announced the appointment of Dr. Donald S. Fredrickson as Director of the National Heart Institute.

In his new post, Dr. Fredrickson

will be charged with overall planning, direction, and coordination of the Institute's large, broadly-based programs of government-supported research and training in the cardiovascular field. He succeeds Dr. Robert

**Dr. Fredrickson** P. Grant, who served from March 8 of this year until his sudden, unexpected death Aug. 15.

### Here Since '53

A member of the NHI scientific staff since 1953, Dr. Fredrickson had served since 1961 as the Institute's Clinical Director, with responsibility for all NHI research involving patients and normal volunteers.

His research at NHI has earned him international recognition as an authority on fat transport in the circulation and on the disease of

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lipid metabolism.

From 1955-1961, as a senior research staff member of the Laboratory of Cellular Physiology and Metabolism, he participated in a series of major studies that resulted in fundamental contributions to current scientific knowledge of mechanisms whereby fats and fat-like substances are transported, synthesized, and broken down by the body.

### Lipoproteins Studied

These studies also investigated the effectiveness and mode of action of various drugs that reduce blood levels of cholesterol and other lipids.

More recently, first with the Laboratory of Metabolism, then as Chief of the Laboratory of Molecular Diseases, Dr. Fredrickson has conducted and directed laboratory and clinical research on the structure of plasma lipoproteins, their role in fat transport, and on genetic factors that regulate lipoprotein metabolism.

His studies of heritable diseases of fat storage and metabolism include the discovery of the lipoprotein deficiency state, Tangier disease, and establishment of its mode of inheritance.

### New System Introduced

Last year, Dr. Fredrickson and his colleagues introduced a new system for using plasma lipoprotein patterns to identify and classify excesses of blood cholesterol and other fats. With it they have demonstrated several new syndromes not previously recognized as separate diseases.

Employing simple, low-cost methods, this system is now in use in a number of laboratories in this country and abroad as a basis for better diagnosis and followup of patients with elevated blood lipids and for establishing the prevalence of these diseases, frequently associated with accelerated development of arteriosclerosis.

### Research to Continue

Dr. Fredrickson will remain Chief of the Laboratory of Molecular Diseases and plans to continue his research work.

Born Aug. 8, 1924, in Canon City, Colo., Dr. Fredrickson received his B.S. at the University of Michigan in 1946 and his M.D. at Michigan in 1949. He did postgraduate work at Peter Bent Brigham Hospital, Massachusetts General Hospital, and Harvard Medical School, Boston, prior to joining the NHI staff as a Clinical Associate in 1953. He was certified by the American Board of Internal Medicine in 1957.

Dr. Fredrickson's affiliations include the American Heart Association, American Association of Phy-

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sicians, American Oil Chemists' Society, American Physiological Society, American Society of Human Genetics, and the American Society for Clinical Investigation. He also holds faculty appointments at George Washington U. and Georgetown U. Medical Schools.

He has served on numerous advisory groups, including the Advisory Council on Research, New York State Heart Association; the Food and Nutrition Board of the National Research Council; the Council on Arteriosclerosis of the American Heart Association, and the Medical Advisory Boards of the Federal Aviation Agency and the National Tay-Sachs Foundation.

This year he was elected Secretary-Treasurer of the American Society for Clinical Investigation and is currently Chairman of the Medical Board of the NIH Clinical Center.

The author or co-author of many scientific papers and reviews, and co-editor of *The Metabolic Basis of Inherited Diseases*, he is a member of the Publications Committee of the American Physiological Society and past member of the editorial boards of the *Journal of Clinical Investigation* and the *Journal of Lipid Research*.